

**AERODYNAMIC NOISE ABATEMENT DEVICE AND
METHOD FOR AIR-COOLED CONDENSING SYSTEMS**

ABSTRACT

5 The noise abatement device and method described herein makes known an
apparatus and method for reducing the aerodynamic resistance presented by a fluid
pressure reduction device in a large duct. More specifically, a noise abatement device
is disclosed having at least one sparger with an aerodynamic profile that significantly
reduces the fluid resistance within a turbine exhaust duct of an air-cooled condensing
10 system that may be used in a power plant.